

Claims

[c1] I claim as my invention:

1. A golf ball comprising a sinusoidal surface, the sinusoidal surface covering the entire golf ball, the sinusoidal surface defining an outersphere diameter of the golf ball of at least 1.68 inches.

[c2] 2. The golf ball according to claim 1, wherein the golf ball has an innersphere diameter of between 1.662 inches and 1.666 inches.

[c3] 3. The golf ball according to claim 1, wherein the sinusoidal surface includes a plurality of sine waves overlapping to define the sinusoidal surface, at least one of the plurality of sine waves having apices located on the outersphere.

[c4] 4. The golf ball according to claim 3, wherein the width of each of the apices is in the range of 0.0001 inch to 0.001 inch.

[c5] 5. The golf ball according to claim 3, wherein at least one of the sine waves has a frequency different from that of another sine wave.

[c6] 6. The golf ball according to claim 1, wherein the sinusoidal surface is a helical sinusoidal surface.

[c7] 7. A golf ball comprising:
a first hemisphere having a sinusoidal surface; and
a second hemisphere having a sinusoidal surface, the second

hemisphere being coupled to the first hemisphere along a parting line, the golf ball having an outersphere diameter of at least 1.68 inches and an innersphere diameter of between 1.662 inches and 1.666 inches.

- [c8] 8. The golf ball according to claim 7, wherein the parting line has a sine wave configuration.
- [c9] 9. The golf ball according to claim 7, wherein each of the sinusoidal surfaces includes a plurality of sine waves overlapping to define the sinusoidal surface, at least one of the plurality of sine waves having apices located on the outersphere.
- [c10] 10. The golf ball according to claim 9, wherein the width of each of the apices is in the range of 0.0001 inch to 0.001 inch.
- [c11] 11. The golf ball according to claim 9, wherein at least one of the sine waves has a frequency different from that of another sine wave.
- [c12] 12. The golf ball according to claim 7, wherein each of the sinusoidal surfaces is a helical sinusoidal surface.